

Ferromagnetic resonance in thin films

25805
S/048/61/025/005/019/024
B117/B201

examined. The permalloy composition was not controlled after sputtering. The film thickness was determined with the aid of a YM-2 (UM-2) monochromator by the method described by I. N. Shklyarevskiy (Ref. 4: Optika i spektroskopiya, 2, No 5, 617 (1958)). Sputtering took place at high temperatures. Since the coefficients of thermal expansion of metal and backing during cooling are unequal, radially symmetrical elastic stresses arise in the film. The active demagnetizing fields corresponding to them were calculated by J. R. MacDonald (Ref. 5: Proc. Phys. Soc., 64, 968 (1951)) and J. H. E. Griffiths (Ref. 1: Physica, 17, 253 (1951)). General formulas for the effective fields of crystallographic anisotropy were obtained by MacDonald (Ref. 5) for single crystals, in particular for hexagonal ones:

$$H_1^{an} = \frac{2}{J_s} [(K_1' + 2K_2')(\gamma_{11}^2 - \gamma_{22}^2) + 2K_1'(3\gamma_{11}^2 - \gamma_{22}^2)\gamma_{33}^2] \quad (4)$$

$$H_2^{an} = \frac{1}{J_s} [(K_1' + 2K_2')(\gamma_{11}^2 - \gamma_{22}^2) + 2K_1'(3\gamma_{11}^2 - \gamma_{22}^2)\gamma_{33}^2]$$

Formally, the anisotropy of thin films of non-crystallographic origin can be expressed by formulas of this type (4), where K_1' and K_2' are the

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effective anisotropy constants. The results obtained from the measurement of the saturation magnetization of a thin permalloy film have shown a qualitative agreement of the saturation magnetization as a function of thickness with data given in Ref. 3 (Tannenwald P. E., Seavey M. N., J. phys. et radium, 20, 323 (1959)) for an 80 % Ni, 20 % Fe film. The sharp magnetization drop was, however, observed with thicknesses larger than those of Ref. 3 by one order of magnitude. Possibly, this is to be explained by the varying chemical composition. Even more likely, however, an insufficient homogeneity of the films employed is responsible for this phenomenon. No anisotropy was established on permalloy films, i.e., it cannot exceed 10^3 erg cm^{-3} . On the cobalt film ($d = 3200 \text{ \AA}$) the resonant field was found to be distinctly dependent upon the rotational angle of the film. The anisotropy constant K_1 can be easily calculated from formula (4) if assuming $K_2 = 0$. In this case, $H^a = (2K_1/I_s) = 175 \text{ oe}$. When assuming that $J_s = 1.42 \cdot 10^5$, it follows that $K_1 = 1.24 \cdot 10^5 \text{ erg cm}^{-3}$. T. A. Stepanova is thanked for her assistance. There are 3 figures and 5 references: 1 Soviet-bloc and 4 non-Soviet-bloc.

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ASSOCIATION: Institut fiziki Sibirskogo otdeleniya Akademii nauk SSSR
(Institute of Physics of the Siberian Department, Academy
of Sciences USSR)

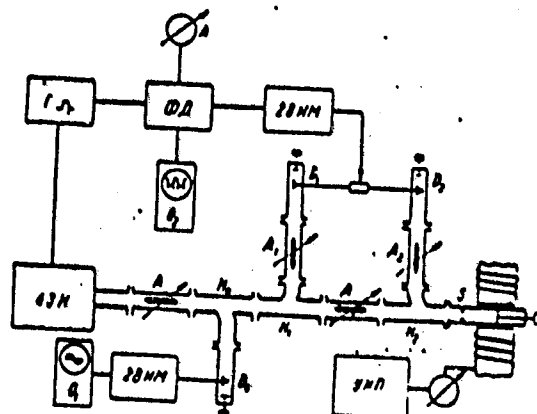


Fig. 1

Card 5/5

BAKLANOV, P.; YEVSTRATOV, A.

Organisation of a centralized dispatcher service in an automotive-
transportation trust. Avt. transp. 37 no.10:19-23 0 '59.

(MIRA 13:2)

(Transportation, Automotive)

BAKLANOV, P.

Results of the consolidation of automotive transportation units.
Avt.transp. 42 no.12:30-31 D '64. (MIRA 18:4)

1. Nachal'nik Kirovskogo avtomobil'nogo upravleniya.

DANILENKO, V. (g.Khabarovsk); TSIOMA, G.; ZALUTSKIY, G.; BAKLANOV,
S., starshiy instruktor-letchik; KUZ'MIN, N.; KORENYAKO, A.

Facts, events, people. Kryl.rod. 12 no.8:14-15 Ag '61.

(MIRA 14:8)

1. Nachal'nik aerokluba, g. Sverdlovsk (for TSioma).
2. Sar-tovskiy obkoma Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu (for Baklanov).
3. Zamestitel' predsedatelya respublikanskogo komiteta Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu, g. Minsk (for Korenyako).

(Aeronautics)

BAKLANOV, V.

A giant mill table on the seashore. Znan.ta pratsia no.7:4-5
J1 '60. (MIRA 13:8)

1. Zavod imeni Il'icha (g. Zhdanov).
(Zhdanov--Steel industry)

BAKLANOV, V. (UB5DJI) (Donetsk); TISHCHENKO, A. (UT5SB) (Donetsk)

Shortwave receiver. Radio no. 12:21-24 D '64.

(MIRA 18:3)

BAKLANOV, Viktor Nikolayevich; MEL'NIK, Anisim Petrovich; POVNITSA,
Anatoliy Rodionovich; DIN'KO, F.M., red.; TIMCHISHINA, N.A.,
tekhn. red.

[Heroic deeds of 5000 young construction workers] Podvyh p'iaty
tysiach. [By] V. Baklanov ta inshi Kyiv, Vyd-vo "Molod'," 1961.
106 p. (MIRA 16:2)

(Ukraine--Construction industry)

BAKLANOV, Viktor Nikolayevich; VASILENKO, L.T.[Vasylenko, L.T.], red.;
YESSAULOVA, M.M., tekhn. red.

[Winged dreams come true; third meeting of grades 7-8] Zbu-
vaiut'sia mrii krylati; III shhodynka VII-VIII klasy. Kyiv,
Dytvydav, 1962. 62 p. (MIRA 15:8)
(Russia--Economic conditions)

BAKLANOV, V. V.

"Work Practice in Mine No.18 of the Stalin Coal Trust of the Karaganda Coal
Combine," Ugol', 27, No.8, 1952

S/200/61/000/011/005/005
D234/D304

9.1000

AUTHOR:

Baklanov, Ye.V.

TITLE:

On the problem of optimum distribution of the parameters
of linear antennas

PERIODICAL:

Akademiya nauk SSSR. Sibirskoye otdeleniye. Izvestiya,
no. 11, 1961, 136-137

TEXT: The author refers to the paper by V.L. Pokrovskiy (Ref. 1: DAN SSSR, v. 138, no. 3, 1961, 584) on the subject, where the problem is reduced to solving a system of transcendental equations and describes a method of reducing the problem to solving a system of quasi-linear differential equations of the first order which requires only several standard programs for calculations with the aid of a computer. Deduction of the equations is given only for the case of $2n$ non-equidistant radiators, and it is stated that a similar reasoning can be applied to an odd number of radiators. There are 2 references, 1 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads

Card 1/2

✓B

On the problem ...

S/200/61/000/011/005/005
D234/D304

as follows: C.L. Dolph, A current distribution for broadside arrays
which optimizes the relationship between beam width and side - Lobe
Level, Proc. IRE, 34, 335 ~ 360, 1946.

Card 2/2

38463

S/109/62/007/006/005/024
D266/D308

9.1911

AUTHORS: Baklanov, Ye. V., Pokrovskiy, V. L. and Surdutovich, G. I.

TITLE: Theory of unequally spaced linear antennas

PERIODICAL: Radiotekhnika i elektronika, v. 7, no. 6, 1962, 963-972

TEXT: The purpose of the paper is to determine theoretically the conditions resulting in an optimum radiation pattern. A symmetrically placed linear array is considered consisting of $2n$ elements. The radiation pattern is obtained in the form

$$F_{2n}(u|I_k, x_k) = \sum_{k=1}^n I_k \cos x_k u \quad (5)$$

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Theory of unequally ...

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where $x_k = 2d_k/\lambda$, d_k - distance of the k th element from the origin, λ - wavelength, I_k - current in the k th element, $u = \pi \cos \theta$, θ - elevation angle. The currents are assumed to be real (all elements in phase) and to satisfy the normalization condition

$$\sum_{k=1}^n I_k = 1 \quad (6)$$

Prescribing the magnitude and position of the side lobes the following equation system is obtained:

$$F(u_i) = \pm \mu, \quad i = 1, \dots, m \quad (1)$$

$$\left. \frac{\partial F}{\partial u} \right|_{u_i} = 0, \quad i = 1, \dots, m - 1 \quad (2)$$

Card 2/3

Theory of unequally ...

S/109/62/007/006/005/024
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It is shown that if the number of the prescribed side lobes is equal to n the width of the main lobe is the smallest for a given μ . If the currents are allowed to vary the optimum array consists of equidistant elements and the radiation pattern is given by a Chebyshev polynomial. Introducing the restriction of equal currents in the elements and making

$$F(u_1) = (-1)^i \mu$$

the resulting algebraic equations are first transformed into a quasilinear differential equation system and then solved on an electronic computer. Examples are worked out for an 8-element and a 17-element array. A radiation pattern for the latter array for $\mu = 0.065$ is shown in a graph. The corresponding spacing of the elements: $x_1 = 0.654$, $x_2 = 1.439$, $x_3 = 2.077$, $x_4 = 2.904$, $x_5 = 3.733$, $x_6 = 4.688$, $x_7 = 5.911$, $x_8 = 7.379$. The width of the main lobe is 8.2 degree at the level μ . There are 10 figures and 2 tables.
SUBMITTED: September 25, 1961
Card 3/3

BAKLANOV, Ye.V.

Concerning the theory of optimum linear antennas. Radiotekh.
i elektron. 7 no.5:906-907 My '62. (MIRA 15:4)
(Antennas (Electronics))

BAKLANOV, Ye.V.

Emission of electromagnetic waves from a system of semi-infinite plates. Dokl. AN SSSR 153 no.3:570-573 N '63.

(MIRA 17:1)

1. Institut radiofiziki i elektroniki Sibirskogo otdeleniya AN SSSR. Predstavleno akademikom M.A. Leontovichem.

L 9255-66 ETI(1)/I/EWA(D) IJP(C) GG/AI
 ACC NR: AP5022721 SOURCE CODE: UR/0181/65/007/009/2768/2771
 AUTHOR: ^{44, 55} Baklanov, Ye. V.; ^{44, 55} Chaplik, A. V. 31
P
 ORG: ^{44, 55} Institute of Physics of Semiconductors SO AN SSSR, Novosibirsk (Institut fiziki poluprovodnikov SO AN SSSR)
 TITLE: ^{21, 44, 55} Dielectric constant in the two-band model for a semimetal
 SOURCE: Fizika tverdogo tela, v. 7, no. 9, 1965, 2768-2771
 TOPIC TAGS: ^{21, 44, 55} dielectric constant, semiconductor band structure, theoretic physics
 ABSTRACT: The dielectric constant is calculated for the two-band model of a semi-metal proposed by Keldysh and Kopayev (L. V. Keldysh, Yu. V. Kopayev, FTT, 6, 2791, 1964). The problem consists of finding the vertex part $\Gamma(q, \omega)$ for the case of a degenerate electron-hole plasma with identical densities n of electrons and holes. A formula is derived for $\Gamma(q, \omega)$ and used as a basis for calculating ϵ in various regions of the energy spectrum. In conclusion we thank V. L. Pokrovskiy for discussing the work. Orig. art. has: 1 figure, 16 formulas. 44, 55
 SUB CODE: 20/ SUBM DATE: 09Apr65/ ORIG REF: 002/ OTH REF: 000

Cord 1/1 ^{44, 55}

1. TITLE: [REDACTED]

2. AUTHOR: [REDACTED]

3. SUBJECT: [REDACTED]

4. SUMMARY: [REDACTED]

5. SOURCE: [REDACTED]

TOPIC TAGS: directional pattern, radio antenna, radar antenna

ABSTRACT: [REDACTED] This document describes a method for determining the directional pattern of a radio antenna. The method involves measuring the signal strength of the antenna at various angles and frequencies. The results are then plotted on a graph to show the directional pattern. The method is applicable to both radio and radar antennas.

11 formulas

ASSOCIATION

SUBMITTER

REFERENCE

BAKLANOV, Yu.I., inzh.

Automatic winding of condensers. Mekh. i avtom. proizv. 19 no.4:
29-31 Ap '65. (MIRA 18:6)

BAKLANOVA, A.N. (Kiyev, 62 Artilleriyskiy pereulok, 15, kv.8)

Torsion and gangrene of the sigmoid in a child with Hirschsprung's disease. Vest. khir. 92 no.2:83 F '64. (MIRA 17:9)

1. Iz detskoy khirurgicheskoy kliniki (zav.-prof. A.R. Shurinok)
detskoy spetsializirovannoy klinicheskoy bol'nitsy (glavnyy vrach-
T.P. Novikova) Kiyeva.

VIDREVICH, Yakov Veniaminovich ; BAKLANOVA, G.I., red.; DZHAPARIDZE,
V.V., red.; SHENTSIS, Ye.M., red.; IL'YUSHENKOVA, T.P., tekhn.
red.;

[Statistics in textile industry enterprises] Statistika na pred-
priiatiiakh tekstil'noi promyshlennosti. Pod red. G.I.Baklanova i
V.V.Dzhaparidze. Moskva, Gosstatizdat, 1962. 167 p.

(MIRA 15:6)

(Textile industry—Statistics)

Baklanova, I. A.

AUTHORS: Shaskol'skiy, I. P., Candidate of Historical Sciences, 30-8-35/37
Baklanova, I. A., Candidate of Historical Sciences.

TITLE: A History of Leningrad (Ocherki po istorii Leningrada).

PERIODICAL: Vestnik Akademii Nauk SSSR, 1957, Vol. 27, Nr 8, pp. 118-120
 (USSR)

ABSTRACT: On the occasion of the 250th anniversary of the founding of the city of Leningrad the AN Press published a work in three volumes. It was written jointly by several of the learned institutions of Leningrad. The work deals with the history of two-and-a half centuries. Critics of the book emphasize the fact that this is the first time that, on the basis of Marxist-Leninistic historical research work, the founding of the city of Leningrad, its growth, and its development to a center of the militant class-conscious proletariat has been described. Special chapters deal with the part played by St. Petersburg in the history of Russian literature, music, and science. Special interest is caused by the description of the rebuilding of the city after the war. The three volumes of this work have many illustrations and they contain numerous reproductions of old city plans, drawings, graphs, etc. The 4th

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A History of Leningrad

30-8-35/37

volume, which will be published withing short, is devoted entirely to the work of reconstruction and the rapid development of the city, as, in view of the vast material, 3 volumes were not found to be sufficient.

AVAILABLE: Library of Congress

Card 2/2

BAKLANOVA, Irina Alekseyevna; YALK, S.N., otv.red.; KOCHEROIN, K.I.,
red.isd-vs; PEVZNER, R.S., tekhn.red.

[Shipbuilding workers in Russia during the 19th century;
types, position, and struggle of workers in naval shipyards
and factories of the maritime department] Rabochie sudostroi-
teli Rossii v XIX veke; sostav, polozhenie i bor'ba rabochikh
admiralteistv i zavodov morskogo vedomstva. Moskva, Izd-vo
Akad.nauk SSSR, 1959. 233 p. (MIRA 12:8)
(Shipbuilding workers)

KRUZE, E.E.; BAKLANOVA, I.A.; KITANINA, T.M.; PLYUKHINA, M.A.;
TITOVA, A.N.; VYATKIN, M.P., otv. red.; GOL'DBERG, N.M.,
red.isd-va; KRUGLIKOVA, N.A., tekhn. red.

[Monopolies in the metal industries of Russia from 1900 to
1917; documents and materials] Monopolii v metallurgicheskoi
promyshlennosti Rossii, 1900-1917; dokumenty i materialy.
Moskva, Izd-vo Akad. nauk SSSR, 1963. 653 p. (MIRA 16:7)

1. Akademiya nauk SSSR. Institut istorii. Leningradskoye
otdeleniye.

(Iron industry) (Steel industry) (Copper industry)

KUKHARENKO, A.A.; BULAKH, A.G.; BAKLANOVA, K.A.

Sulfate-monazite from the carbonatites of the Kola Peninsula. Zap.
Vses.min.ob-va 90 no.4:373-381 '61. (MIRA 14:9)
(Kola Peninsula--Monazite)

GITEL'ZON, I.I.; BAKLANOV, O.G.; FILIMONOV, V.S.; ARTEMKIN, A.S.;
SHATOKHIN, V.F.

Bioluminescence as a hydrooptic and biological factor in a
sea. Trudy MOIP. Otd. biol. 21:147-155 '65. (MIRA 18:6)

USSR/Human and Animal Morphology - Normal and Pathological.
Respiratory System.

Abs Jour : Ref Zhur Biol., No 23, 1958, 105899

Author : Baklanova, V.F.

Inst : State Scientific Research Otorhinolaryngological Institute

Title : Peculiarities of the Primary Bronchi According to Age

Orig Pub : Tr. Gos. n.-i. in-ta ukha, gorla i nosa, 1956, vyp. 8, 252-256

Abstract : By means of the method of roentgenography and preparation, one hundred human cadavers, whose ages ranged from birth to the age of 80 years (51 male and 49 female), and were not affected by pulmonary diseases, were studied. It was established that the diameter of each of the four primary bronchi of the right or the left lung

Card 1/2

USSR/Human and Animal Morphology - Normal and Pathological.
Respiratory System.

5

Abs Jour : Ref Zhur Biol., No 23, 1958, 105899

changes during life and appears to be largest in the
period from 40 to 60 years of age. -- S.K. Fominov

Card 2/2

- 3 -

BAIKANOVA, V. F. Cand Med Sci -- (diss) "Anatomic-roentgenological data on the bronchi and their projection^{up} on the thorax" Mos, 1957. 15 pp 19 cm. (Second Mos State Med Institute in I. V. Stalin), 250 copies
(M, 20-57, 85)

BAKLANOVA, V.Ye. - kand.med.nauk (Moskva, B-120, ul.Chkalova, d.39, kv.18)

X-ray findings in staphylococcal pneumonias in infants. Vest.
rent. i rad. 34 no.3:7-10 My-Je '59. (MIRA 12:10)

1. Iz rentgenovskogo otdeleniya (sav. - kand.med.nauk V.F.
Baklanova) klinicheskoy detskoy bol'nitsy imeni F.E.Dzerzhinskogo
(glavnyy vrach A.N.Kudryashova).

(PNEUMONIA, in inf. & child

micrococcal, x-ray studies (Rus))

(MICROCOCCAL INFECTIONS, in inf. & child
pneumonia, x-ray studies (Rus))

BAKLANOVA, V.F., kand.med.nauk (Moskva B-120, ul. Chkalova, d.39/41, kv.18)

Intracranial calcifications in children in toxoplasmosis. Vest.
rent. i rad. 35 no. 6:62-65 N-D '60. (MIRA 14:2)

1. Iz rentgenovskogo otdeleniya (zav. - kand.med.nauk V.F.
Baklanova) Moskovskoy klinicheskoy detskoy bol'nitsy imeni
F.E. Dzerzhinskogo (glavnyy vrach A.N. Kudryasheva).
(TOXOPLASMOSIS) (BRAIN-DISEASES) (CALCIFICATION)

KOTEL'NIKOVA, Ye.P.; BAKLANOVA, V.F.

Cholecystography in angiocholecystitis in children. *Pediatria*
38 no.2:30-35 F '60. (MIRA 13:12)
(GALL BLADDER—RADIOGRAPHY)

BAKLANOVA, V.F.; ZVYAGINTSEVA, S.G.; ZUEKOVA, V.L.; TYURKYAN, R.A.

Staphylococcal pneumonias in infants. *Pediatrila* 38 no. 3:13-19
Mr '60. (MIRA 14:1)

(PNEUMONIA) (STAPHYLOCOCCAL INFECTIONS)
(INFANTS—DISEASES)

BAKLANOVA, V.F.; NIKITINA, N.N.

Multiple myeloma in a child. Vest. rent. i rad. 37 no.1:65-66
Ja-F '62. (MIRA 15:3)

1. Iz rentgenovskogo otdeleniya (zav. - kand.med.nauk V.F. Baklanova) Moskovskoy klinicheskoy detskoy bol'nitsy imeni F.E. Dzerzhinskogo (glavnyy vrach A.N. Kudryasheva).
(MARROW—TUMORS)

ZVIAGINTSEVA, S.G., prof.; ~~BAKANOVA~~, V.E., kand.med.nauk; GROMOVA, R.V.;
LEVINA, S.M.; SHIRYAYEVA, I.P.

Subendocardial fibroelastosis in children. *Pediatrics* 41 no.5:38-
44, May '62. (MIRA 15:5)

1. Iz kafedry pediatrii (zav. - deystvitel'nyy chlen AMN SSSR
prof. G.N. Speranskiy) Tsentral'nogo instituta usovershenstvo-
vaniya vrachey (rektor M.D. Kovrigina) i Detskoy bol'nitsy No.9
imeni F.E. Dzershinakogo (glavnyy vrach A.N. Kudryasheva).
(HEART--DISEASES)

BAKLANOVA, V.F.; FILIPKIN, M.A.

Clinical roentgenological variations of megaduodenum in children. Vest. rent. i rad. 40 no.1:12-15 Ja-F '65.

(MIRA 18:6)

1. Kurs detskoy rentgenologii (soav. dotsent V.F. Baklanova)
Tsentral'nogo instituta usovershenstvovaniya vrachey na baze
detskoy klinicheskoy bol'nitsy imeni Dzerzhinskogo No.9 (glavnyy
vrach A.N. Kudryashova), Moskva.

BAKLANOVA, V.F.

X-ray diagnosis of pneumocystic pneumonia in children.
Vest. rent. i rad. 40 no.6:20-25 N-D '65.

(MIRA 19:1)

1. Kafedra detskoy rentgenologii (zav. - dotsent V.F. Baklanova)
TSentral'nogo instituta usovershenstvovaniya vrachey, Moskva.

BAKLANOVA, V. G. Cand Tech Sci -- (diss) "Study of the process of heat exchange in the inter^{space}pipe space of ~~twisted~~ heat exchangers." Mos, 1959. 19 pp
(Min of Higher and Secondary Specialized Education RSFSR. Mos Order of Lenin and Order of Labor Red Banner Higher Tech School im Bauman), 150 copies
(KL, 52-59, 120)

BAKLANOVA, V.G., insh.

Investigating heat transfer between pipes of coil-type heat
exchangers. Khim. mash. no.2:20-28 Mr-Apr '59. (MIRA 12:7)
(Heat exchangers) (Heat--Transmission)

ARKHAROV, Aleksey Mikhaylovich; BUTKEVICH, Konstantin Stefanovich;
COLOVINTSOV, Andrey Grigor'yevich [deceased]; KULAKOV,
Viktor Mikhaylovich; MARFENINA, Irina Vasil'yevna; MIKULIN,
Yevgeniy Ivanovich; STOLPER, Mikhail Borisovich; Primali
uchastiye: BAKLANOVA, V.G.; GRIDIN, V.B.; PETROVSKIY, Yu.V.,
red.

[Low-temperature equipment] Tekhnika nizkikh temperatur.
Moskva, Energiia, 1964. 447 p. (MIRA 17:12)

ACC NRAP7008270

SOURCE CODE: UR/0141/67/010/001/0146/0149

AUTHOR: Akhmanov, S. A.; Baklanova, V. V.; Chirkin, A. S.

ORG: Moscow State University (Moskovskiy gosudarstvennyy universitet)

TITLE: Parametric amplification with multi-mode pumping

SOURCE: IVUZ. Radiofizika, v. 10, no. 1, 1967, 146-149

TOPIC TAGS: parametric amplifier, laser effect, nonlinear optics,
OPTIC PUMPING

ABSTRACT: A theoretical study was made of the effect of multi-mode pumping on the parametric amplification of traveling em waves. It was shown that those effects which do not fit into the theory of parametric amplification due to non-monochromatic pumping (e.g., lack of agreement between the experimented and calculated values of the parametric amplification and generation thresholds, decreased phase selectivity of "degenerate" parametric light amplifier, anomalous spectral broadening of amplified signal) may be explained if it is assumed that the pumping source used in practice is nonmonochromatic. The results indicate that in parametric processes this mode structure of the pumping source may considerably effect quantitative values. When used in the study of the processes of stimulated scattering of modulated emission, the proposed

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UDC: 621.375.931

ACC NR:AP7008270

method yields sufficiently general quantitative results. Orig. art. has:
2 figures and 13 formulas.

[WA-14]
[JM]

SUB CODE: 20/ SUBM DATE: 6Apr66/ ORIG REF: 006/ OTH REF: 006

Card 2/2

TSVETKOV, A.P.; BAKLANOVA, V.Ya.

Multiple chylaceous cysts of the small intestine mesentery
causing intestinal constipation. Khirurgiia, no.11:82 N '55
(MLRA 9:6)

1. Iz khirurgicheskogo otdeleniya Vologodskoy gorodskoy bol'nitsy.
(MESENTERY--CYSTS) (INTESTINES--OBSTRUCTIONS)

BAKLANOVSKAYA, A.N.; MOROZOV, A.A.

Spectral analysis of solutions by the spark excitation of aerosols.
Zav.lab. 28 no.11:1332-1333 '62. (MIRA 15:11)

1. Odesskiy gosudarstvennyy universitet imeni I.I.Mechnikova.
(Electrolytes--Spectra) (Aerosols)

BAKLANOVSKAYA, T.N.

Fauna of aquatic plant growths of the outer Volga Delta and
its significance in the nutrition of the young of cyprinid fishes.
Trudy VNIRO 32:230-254 '56. (MIRA 10:10)
(Volga Delta--Fresh-water fauna) (Carp) (Fishes--Food)

BARLANOVSKAYA, T.^N.₂, Cand Bio Sci—(disc) "Fauna of ^{overgrowth} ~~the delta~~ of ~~the~~
higher water vegetation of the delta and pre-delta of the River Volga,
and its role in the nutrition of ~~the~~ young carp." Mos, 1958. 18 pp
(Mos State Univ in N.V. Lomonosov), 120 copies (R1,45-58, 144)

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BAKLANOVSKAYA, V.F. (Moskva)

Numerical solution of one problem of nonstationary filtration.
Zhur. vych. mat. i mat. fiz. 1 no.1:105-112 Ja-F '61. (MIRA 14:8)
(Hydrodynamics) (Differential equations) (Boundary value problems)

16.3500
21.4700

AUTHORS:
TITLE:

PERIODICAL:

TEXT:

38468
S/044/62/000/005/018/072
C111/C333
Baklanovskaya, V.F., Kutasov, A.D., Noyganz, M. G.
The numeric determination of the quasi-stationary solution
to a system of one-dimensional parabolic equations
Referativnyy zhurnal, Matematika, no. 5, 1962, 72,
abstract 5B328. (Zh. vychisl. matem. i matem. fiz.", 1961,
1, no. 2, 354-357)
Considered is the system of equations

$$\frac{\partial c}{\partial t} = \frac{\partial^2 c}{\partial x^2} - c \varphi(T), \quad (1)$$

$$\frac{\partial T}{\partial t} = \alpha \frac{\partial^2 T}{\partial x^2} + c \varphi(T)$$

$-\infty < x < +\infty$, $0 \leq t < +\infty$, $x > 0$, α — constant. The given initial
conditions are: $T(x, 0) = \tilde{T}(x)$, $c(x, 0) = \tilde{c}(x)$, $\tilde{c}(x)$ and $\tilde{T}(x)$ are monotonic,
 $\tilde{c}(x) \rightarrow 0$ and $\tilde{T}(x) \rightarrow 1$ for $x \rightarrow -\infty$, $\tilde{c}(x) \rightarrow 1$, $\tilde{T}(x) \rightarrow 0$ for $x \rightarrow +\infty$.
The function $\varphi(t)$ is continuous, it is $\varphi(T) \equiv$ for $0 \leq T \leq \varepsilon$, $\varphi(T) > 0$
Card 1/2

The numeric determination of the ...

S/044/62/000/005/018/072
C111/C333

for $\varepsilon < T \leq 1$. The solution of the Cauchy problem is given in the form $C(x, t) = C_0(x - \omega_0 t) + u(x, t)$, $T(x, t) = T_0(x - \omega_0 t) + v(x, t)$. It is assumed that there exist only one constant ω_0 and only one quasi-stationary solution to (1) with the form $\{C_0(x - \omega_0 t), T_0(x - \omega_0 t)\}$, so that $u(x, t)$ and $v(x, t)$ for $t \rightarrow \infty$ and arbitrary monotonic initial functions $\tilde{C}(x)$, $\tilde{T}(x)$ tend to zero. Two numerical methods are described for determining the number ω_0 and the quasi-stationary solution. These methods have been tested by the authors with the help of the computer BESM (БЭСМ). The first method consists of the integration of the Cauchy problem for (1) using an implicit difference scheme. According to the second method, a boundary value problem must be solved for a certain system of ordinary differential equations satisfied by the quasi-stationary solution $\{C_0(\xi), T_0(\xi)\}$.

[Abstracter's note: Complete translation.]

Card 2/2

BAKLANOVSKAYA, V.F. (Moskva)

Numerical solution of a one-dimensional problem for equations
involving nonstationary filters. Zhur. vych. mat. i mat. fiz. 1
no.3:461-469 My-Je '61. (MIRA 14:8)
(Boundary value problems) (Differential equations)

BAKLANOVSKAYA, V.F. (Moskva)

Numerical solution of the second boundary value problem for
nonstationary filtration. Zhur. vych. mat. i mat. fiz. 1
no.6:1129-1133 N-D '61. (MIRA 16:7)

BAKLANOVSKAYA, V.F. (Moskva)

Some nonlinear problems of unsteady-state flow through porous media.
Prikl. mat. i mekh. 26 no.1:196-200 Ja-F '62. (MIRA 15:1)
(Hydrodynamics)

BAKLANSKIY, K. [Baklans'kiy, K.], tekhnolog

"Bemit" sheets, a new roofing material. Sil'. bud. 11 no.1;15-17
Ja '61. (MIRA 14:3)

1. L'vovskiy gorodskoy kombinat khimicheskoy promyshlennosti No.2.
(Roofing) (Bituminous materials)

PARAMONOVA, V.I.; PLATUNOVA, N.B.; BAKLANOVSK.Y, Y4.).

Complex formation of uranyl ion with arlicyclic acid. Part 2: Study of
complex formation in solution by the ion exchange method. Radiokhimiia
6 no.51513-518 '64. (MIRA 18:1)

BAKLASHOV, I.V.

Evaluation of the influence of an uneven contour upon the
distribution of stresses in the vicinity of the development
of a circular cross section. Osn., fund. i mekh. gran. 5
no.5:23-25 '63. (MIRA 16:10)

BAKLASHOV, I.V.

Propagation of stresses around mine workings taking into
account the irregularity of the contour. Shor. trud. NIIosn.
no.54:89-102 '64. (MIRA 17:10)

BAKLASHOV, I.V., kand. tekhn. nauk

Calculating the load on supports in horizontal workings under conditions of arch formation. *Shakht. stroi.* 9 no.3:13-15 Mr '65.
(MIRA 18:7)

1. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki.

BAKLASHOV, I.V., aspirant

Stress concentration near openings with a wavy contour.
Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh.
no. 49 pt. 2:185-193 ' 64 (MIRA 19:1)

BAKHSHIYAN, TS., A., inzh.; BAKLASHOV, V. Ye., inzh.

Furnaces with radiating walls made of flameless panel burners. Khim.
mash. no. 6; 4-6 N-D '60. (MIRA 13:11)
(Furnaces--Construction)

RODIONOV, A.A.; MEL'NIK, V.I.; BARATNEVA, A.A., red.

[Analysis of the transportation costs of hauling forest products from Krasnoyarsk Territory] Analiz transportnykh izderzhok po vyvazu lesnoi produktsii iz Krasnoyarskogo kraia. Moskva, Tsentr. nauchno-issl. in-t tekhn. informatsii i tekhniko-ekon. issl. po lesnoi, tsellulozno-bumazhnoi, derevoobrabatyvalushchei promyshl. i lesnomu khoz., 1963. 18 p. (LIRA 17:10)

GONIK, A.A., nauchn. red.; BAKLASHOVA, R.A., red.; YEGOROVA, Ye.M., red.

[First-stage floating of lumber by the patrolled distance method] Pervonachal'nyi splav lesu distantsionno-patrul'nym sposobom: suornik. Moskva, 1963. 29 p.

(MIRA 17:8)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut informatsii i tekhniko-ekonomicheskikh issledovaniy po lesnoy, tsellyulozno-bumazhnoy, derevoobrabatyvayushchey promyshlennosti i lesnomu khozyaystvu.

MATSKEVICH, D.D., kand. tekhn. nauk; GONIK, A.A., nauchn. red.;
BAKLASHOVA, R.A., red.

[Machine for automatic calculation of lumber in a transverse raft] Mashina dlia avtomaticheskogo ucheta lesa v poperechnoi shcheli. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tselulozno-bumazhnoi, derevobrabatyvayushchei promyshl. i lesnomu khoz., 1964. 21 p. (MIRA 18:5)

DANSKOV, I.P., nauchn. red.; BAKLASHOVA, R.A., red.; ISAYENKO,
Ye.M., red.

[Ways for water transportation of lumber] Puti razvitiia vodnogo
transporta lesa. Moskva, 1964. 28 p. (MIRA 18:5)

1. Moscow. Tsentral'nyy nauchno-issledovatel'skiy insti-
tut informatsii i tekhniko-ekonomicheskikh issledovaniy
po lesny, tsellyulozno-bumazhny, derevobrabatyvayu-
shchey promyshlennosti i lesnomu khozyaystvu.

86938

S/149/60/000/006/010/018
A006/A001

2,3000

AUTHORS: Korshunov, B. G., Ionov, V. I., Baklashova, T. A., Kokorev, V. V.

TITLE: An Investigation of Interactions Between Thorium Chlorides and Chlorides of Magnesium, Calcium, Cerium, Aluminum, Iron, Niobium, Tantalum and Oxychloride of Niobium in Melts

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Tsvetnaya metallurgiya, 1960, No. 6, pp. 114-118

TEXT: The extended use of chlorine methods for processing complex rare-element raw materials containing thorium, requires a study of the systems with the participation of thorium chloride. The authors carried out thermal and tensiometrical analyses to investigate the interaction of components in the following systems: $\text{ThCl}_4 - \text{MgCl}_2$, $\text{ThCl}_4 - \text{CaCl}_2$, $\text{ThCl}_4 - \text{CeCl}_3$, $\text{ThCl}_4 - \text{AlCl}_3$, $\text{ThCl}_4 - \text{FeCl}_3$, $\text{ThCl}_4 - \text{NbCl}_5$, $\text{ThCl}_4 - \text{TaCl}_5$, $\text{ThCl}_3 - \text{FeCl}_3 - \text{NbCl}_5$ and $\text{ThCl}_4 - \text{NbOCl}_3$. The chlorides were obtained as follows: chloride of thorium by chlorinating a mixture of thorium dioxide and charcoal from sugar with gaseous chlorine at 1000°C ; chlorides of aluminum, iron and tantalum were prepared by chlorination of metals; chlorides of magnesium, calcium and cerium were obtained by the method indicated

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S/149/60/000/006/010/018
A006/A001

An Investigation of Interactions Between Thorium Chlorides and Chlorides of Magnesium, Calcium, Cerium, Aluminum, Iron, Niobium, Tantalum and Oxychloride of Niobium in Melts

in reference 5, and oxychloride of niobium by a method described in reference 6. The thermal analysis of the systems was made by the method of fusibility; the curves were recorded on a N. S. Kurnakov pyrometer. The ThCl_4 - MgCl_2 , ThCl_4 - CaCl_2 and ThCl_4 - CeCl_3 systems have a fusibility diagram of the eutectic type (Figure 1). The eutectics contain 55.0 molecular % (82.8 weight %), 46.0 mol. % (74.2 weight %) and 60.6 mol. % (70.0 weight %) ThCl_4 respectively and melt at 610, 560 and 640°C. To confirm data obtained by thermal analysis and to reveal the possibility of separating and refining the chlorides, the authors carried out a tensiometric study of the aforementioned systems based on the measurement of vapor tensions over the systems, which were determined by the "flow" method. Chlorine was used as a carrier gas. Thorium in the sublimate was determined by a method given in Ref. 8 and 9 and the other elements by conventional methods. The method of tensiometry has been described in Ref. 10. The absence of a chemical reaction between the components and the difference in the vapor tensions can be used for the separation of chlorides by distillation.

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An Investigation of Interactions Between Thorium Chlorides and Chlorides of Magnesium, Calcium, Cerium, Aluminum, Iron, Niobium, Tantalum and Oxychloride of Niobium in Melts

Results of the tensiometric investigation are given below:

System	Content of Thorium in the mixture in mol. %	°C	Vapor tension over the system $\lg P = - \frac{A}{T} + B$, mm Hg		
			A	B	for chlorides
ThCl ₄ - MgCl ₂	22.9	700 - 820	6260	6.84	ThCl ₄
ThCl ₄ - CaCl ₂	54.0	575 - 819	7210	8.26	"
ThCl ₄ - CeCl ₃	40.5	725 - 895	5700	6.53	"
ThCl ₄ - AlCl ₃	27.0	114 - 152	5020	13.7	Al ₂ Cl ₆
ThCl ₄ - FeCl ₃	10.0	828 - 117	5825	12.5	Fe ₂ Cl ₆
ThCl ₄ - NbCl ₅	10.0	125 - 193	3300	9.16	NbCl ₅
ThCl ₄ - TaCl ₅	10.0	120 - 170	3650	8.57	NbOCl ₃
ThCl ₄ - TaCl ₅	10.0	110 - 170	3710	9.80	TaCl ₅

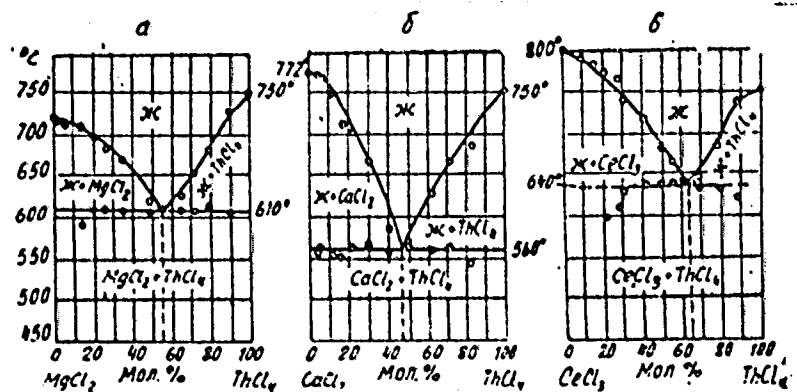
86938

S/149/60/000/006/010/018

AC06/AC01

An Investigation of Interactions Between Thorium Chlorides and Chlorides of Magnesium, Calcium, Cerium, Aluminum, Iron, Niobium, Tantalum and Oxychloride of Niobium in Melts

Figure 1:
Possibility diagram of
the systems ThCl_4 -
 MgCl_2 (a); ThCl_4 -
 CaCl_2 (b) and
 ThCl_4 - CeCl_3 (c).



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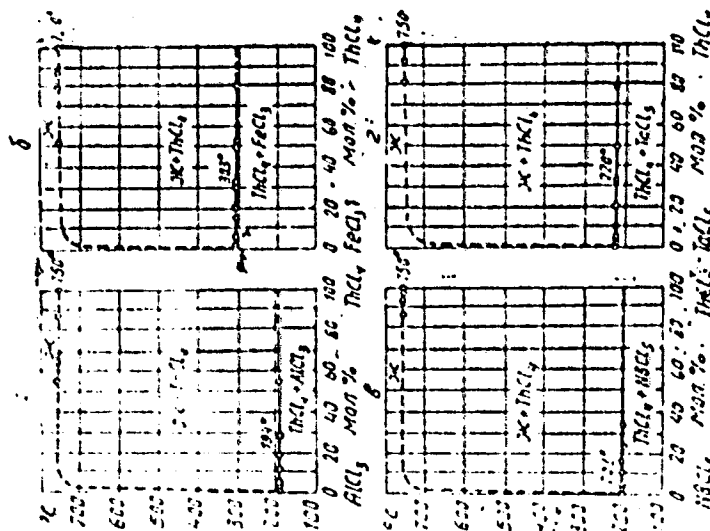
A006/A001

An Investigation of Interactions Between Thorium Chlorides and Chlorides of Magnesium, Calcium, Cerium, Aluminum, Iron, Niobium, Tantalum and Oxychloride of Thorium in Melts.

Figure 2:

Phase diagram of the system $\text{ThCl}_4 - \text{AlCl}_3$ (a), $\text{ThCl}_4 - \text{FeCl}_3$ (b), $\text{ThCl}_4 - \text{NbCl}_5$ (c), and $\text{ThCl}_4 - \text{TaCl}_5$ (d).

There are 4 figures and 10 references: 6 Soviet, 1 French, 1 German, 1 English.



86938

S/149/60/000/006/010/018

A006/A001

An Investigation of Interactions Between Thorium Chlorides and Chlorides of Magnesium, Calcium, Cerium, Aluminum, Iron, Niobium, Tantalum and Oxychloride of Niobium in Melts

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii (Moscow Institute of Fine Chemical Technology) Kafedra khimii i tekhnologii re'kikh i rasseyannykh elementov (Department of Chemistry and Technology of Rare and Dispersed Elements)

SUBMITTED: January 28, 1960

Card 6/6

BAKLASTOV, A.M.

CAND TECH SCI

Dissertation: "Performance Investigation of the Two-Spiral Air Coolers of Electric Generators."

4 November 49

Moscow Order of Lenin Power Engineering Institute imeni V.M. Molotov.

SO Vecheryaya Moskva
Sum 71

USSR/Processes and Equipment for Chemical Industries--
Processes and apparatus for chemical technology.

K-1

Abs Jour: Ref Zhur-Khimiya, No 3, 1957, 10599

Author : Baklastov, A. M. and Grigor'yev, V. A.

Inst : Not given

Title : Organosilicon Heat Transfer Media
Vol. II,

Orig Pub: Prom. energetika, 1956, No 6, 1-4

Abstract: The heat capacity and density of tetracresyloxysilane (I) have been determined experimentally, as have been the viscosity, thermal stability, thermal conductivity, corrosion properties, and hygroscopic properties of I and of tetraxylyloxysilane (II). The thermal stability tests were conducted at 314° for 563 hrs.; no marked decomposition of the heat transfer fluids was observed during those tests. The tests have shown that under static conditions I and II practically do not attack carbon steels, copper, brass, and duralumin. The hydrolysis of I and II proceeds with the formation of an

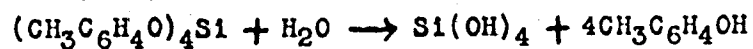
Card 1/2

USSR/Processes and Equipment for Chemical Industries--
Processes and apparatus for chemical technology.

K-1

Abs Jour: Ref Zhur-Khimiya, No 3, 1957, 10599

Abstract: oerthosilicic acid gel and the corresponding homolog of
phenol, as, e.g., in the equation:



Card 2/2

BAKASTOV, A.M.

БАКАСТОВ А.М.

1A(1); 15(6) PHASE I BOOK EXPLOITATION 307/1499
Технически (справочник, т. 2 (Best Engineering Handbook, Vol. 2) Moscow, Gostizdat, 1958. 672 p. 40,000 copies printed.

Compilers (All Instructors of the Moscow Power Institute);
V.V. Lomitskiy, Doctor of Technical Sciences (Deceased);
Ye.Ya. Shteyn, Doctor of Technical Sciences; P.D. Lebedev,
Doctor of Technical Sciences; N.L. Gimmel'farb, Candidate
of Technical Sciences; M.V. Larov, Doctor of Technical
Sciences; G.P. Yuritskiy, Candidate of Technical Sciences;
S.B. Gelman, Candidate of Technical Sciences; A.M. Serebryak,
Candidate of Technical Sciences; S.P. Shilkin, Candidate of
Technical Sciences; V.A. Dubinin, Doctor of Technical Sciences;
Mikhailov, Candidate of Technical Sciences; and M.I. Babin,
Candidate of Technical Sciences. Ed.: I.I. Arsenchik;
Book. Ed.: K.P. Voronin, and G.Ye. Larinov; Vol. of Set:
S.B. Gelman, Professor; Ye.A. Kaga, Doctor; P.D. Lebedev,
Professor (Chief Ed.) and V.V. Lomitskiy, Professor (Deceased).

Card 1/6

307/1499

Best Engineering (Con.)

PURPOSE: This book is intended for students of power engineering and technical vases. It may also be used by engineering and technical personnel engaged in the design, construction and operation of thermal equipment of thermoelectric power stations and industrial plants.

COVERAGE: This is the second volume of a two-volume best-engineering handbook compiled by a group of professors and doctors of the Moscow Power Engineering Institute. This volume deals with thermoelectric power plants, heating and ventilating systems, industrial plant thermal equipment, heat measuring instruments and automatic control of thermal processes. Special equipment are devoted to boiler and turbine plants and other equipment. Brief information is given on the following subjects: steam turbines, gas turbines, internal combustion engines, refrigeration systems and heat pumps, industrial furnaces, pre-combustion systems and storage of fuel gases, pumps, fans, compressors, heating and transporting mechanisms, and temperature, pressure and flow measuring instruments. Standard graphical symbols for heat-power plant equipment and instruments and also the letter symbols and corresponding dimensions of various engineering quantities are given. Changes in the GOST (All-

Card 2/6

LEBEDEV, I.V., kand. tekhn. nauk; BAKLASTOV, A.M., kand. tekhn. nauk;
SERGAZIN, Zh.F., inzh., dissertant; MAYAKIN, V.P., inzh.

Evaluation of the origin of turbulence in heat exchanger
channels. Teploenergotika 11 no.12:82-84 D '64 (MIRA 18:2)

1. Moskovskiy energeticheskiy institut.

UDYMA, P.G.; BAKLASTOV, A.M., kand. tekhn. nauk, retsenzent;
KARGANOV, V.G., inzh., red.

[Apparatus with submerged burners] Apparaty s pogruzhnymi
gorelkami. Moskva, Mashinostroenie, 1965. 190 p.
(MIRA 18:8)

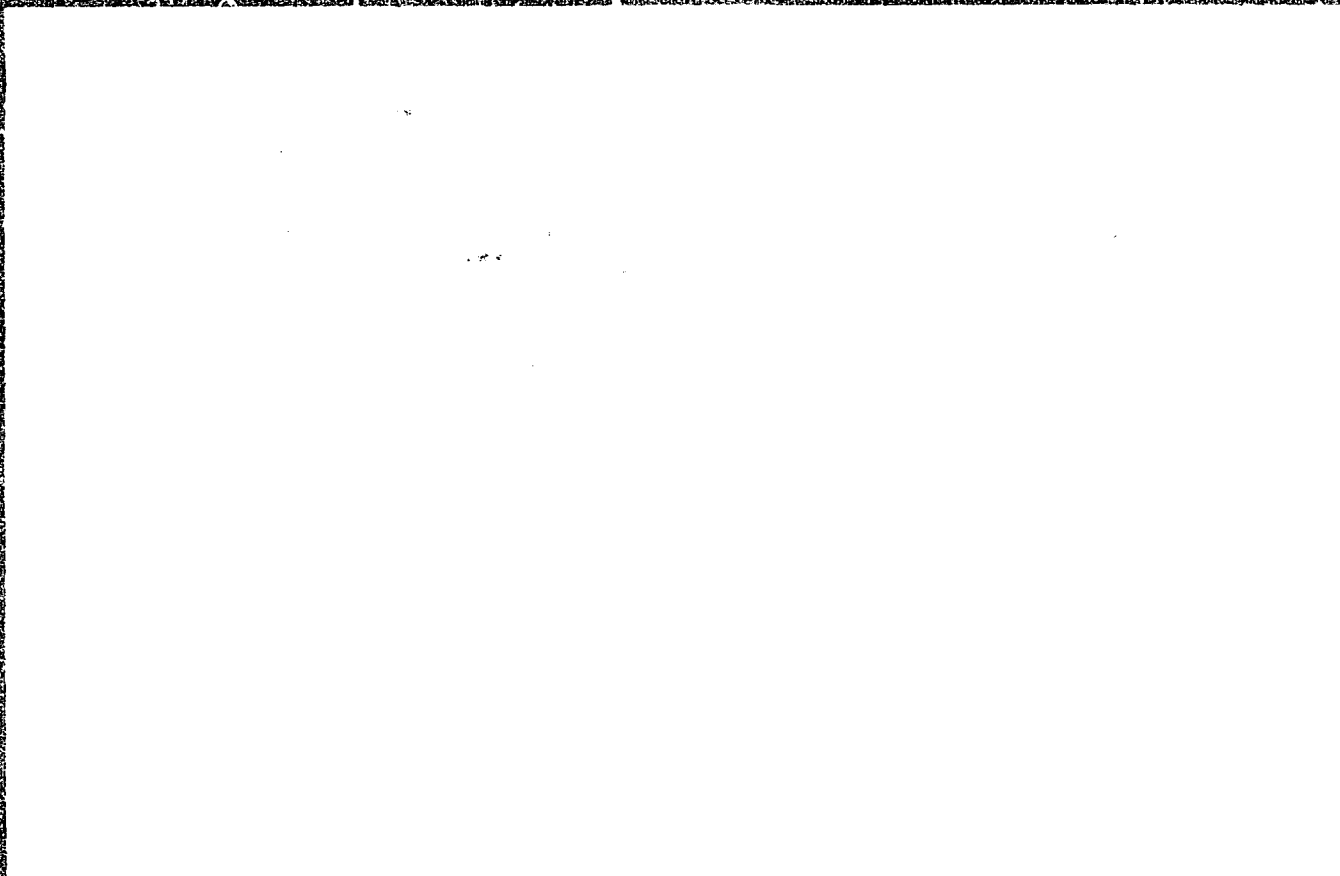
BAKLASTOV, A.M., kand. tekhn.nauk; SOKOLOVSKIY, V.S., kand. tekhn. nauk;
SERGAZIN, Zh.F., inzh., dissertant; ASTAF'YEV, V.B., inzh.

Electric film transducer for measuring air moisture. Teploenergetika
12 no.5:75-77 My '65. (MIRA 18:5)

1. Moskovskiy energeticheskiy institut.

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103120006-8

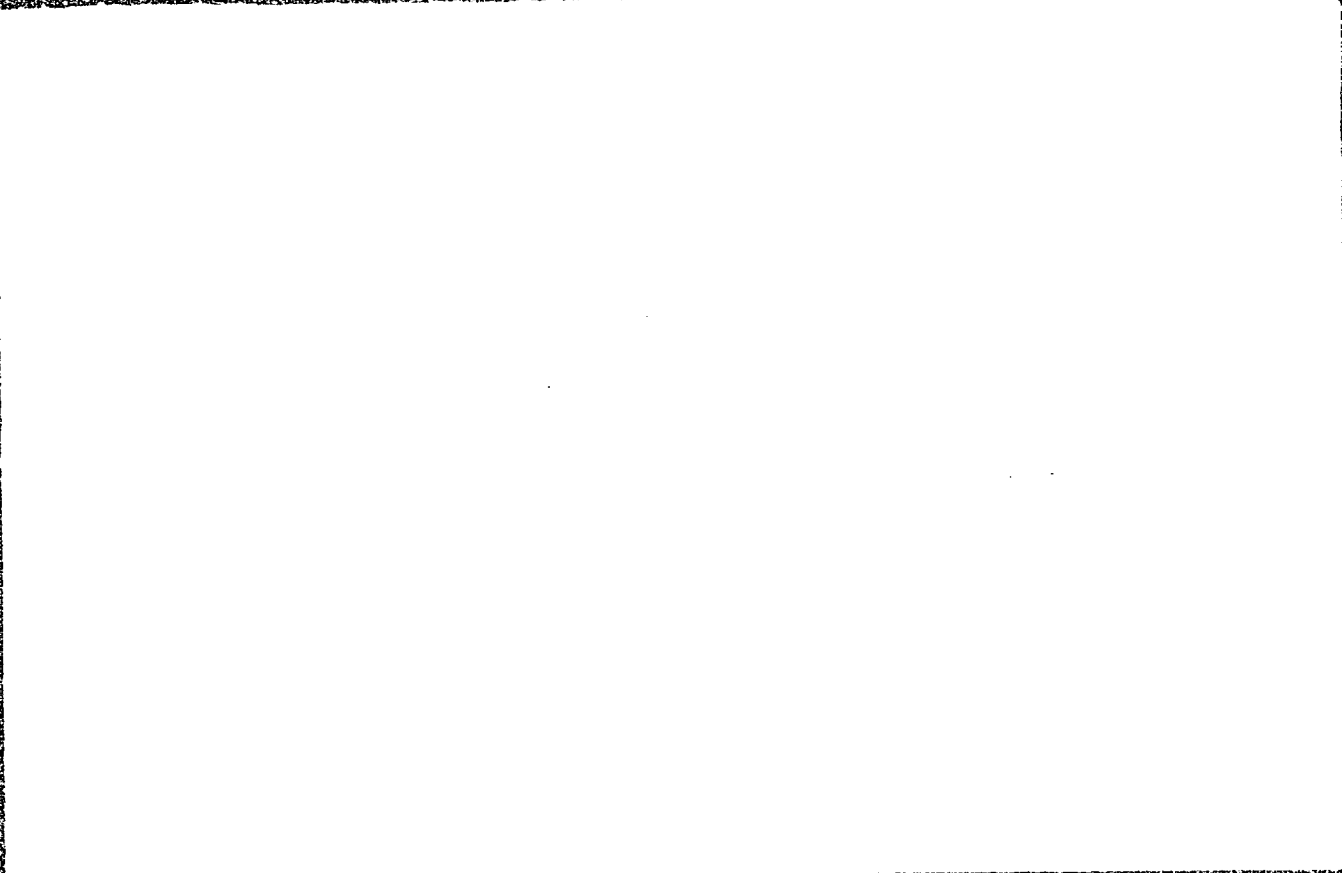


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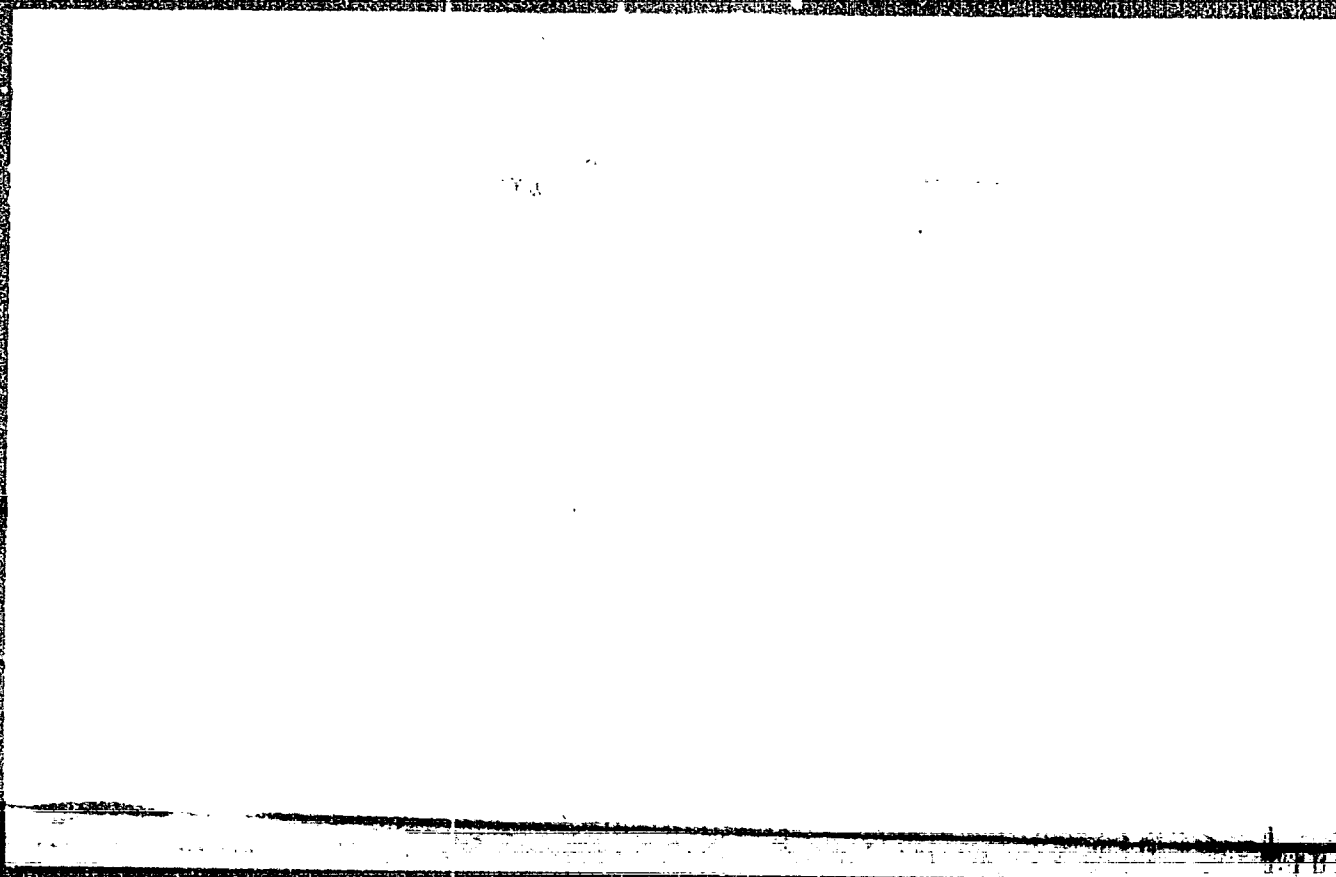
BAKLAVADZHYAN, O. G.

"Effects of Impairment of the Tract of the Internal Capsule in Dogs."
Acad Sci Armenian SSR, Inst Physiology, Yerevan, 1955. (Dissertation
for the Degree of Candidate in Biological Sciences)

SO: M-955, 16 Feb 56

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103120006-8



APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103120006-8"

BAKLAVADZHYAN, O.G.

A particular case in the development of conditioned defense reactions to electricity. Izv.AN Arm.SSR,Biol.i sel'khoz.nauki 9 : no.5:27-32 My '56. (MLRA 9:8)

1. Institut fiziologii Akademii nauk Armyanskoy SSR.
(CONDITIONED RESPONSE)

USSR / Human and Animal Physiology. The Nervous System. T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41702.

Author : ~~Baklavadzhyan, O. G.~~

Inst : Not Given.

Title : The Clinical Course of Injuries of the Internal Capsule in Dogs.

Orig Pub: V sb.: Vopr. vyssh. nervn. deyat-sti kompensatorn. prispobleniy (The Problems of Higher Nervous Activity and Compensatory Adaptation), Vyp. 2. Yerevan, AN ArmSSR, 1957, 139-151.

Abstract: No Abstract.

Card 1/1

UEER/Human and Animal Physiology (Normal and Pathological).
Nervous System. Higher Nervous Activity. Behavior.

T-12

Abs Jour : Ref Zhur - Biol., No 11, 1958, 51320

Author : Daklavadzhyan, O.O.

Inst : Academy of Sciences Armenian SSR.

Title : Motor Conditioned Reflexes After Unilateral Impairment of
the Region of the Inner Brain Capsule.

Orig Pub : V sb.: Vopr. vyssh. nervn. doyat-sti i kompensatorn. pris-
posobleniy. Vyp. 2, Yerevan, AN ArmSSR, 1957, 153-167.

Abstract : Unilateral destruction of the region of the inner brain
capsule resulted in a temporary disappearance of electro-
defensive conditioned reflexes (CR), which have been pro-
duced in dogs according to the method of Petropavlovskiy.
CR was restored within a period of 18-28 days. Restora-
tion developed in 3 phases: 1. absence of CR and

Card 1/2

- 126 -

USSR/Human and Animal Physiology (Normal and Pathological);
Nervous System. Higher Nervous Activity. Behavior.

T-12

Abs Jour : Ref Zhur - Biol., No 11, 1958, 51320

"asthenia" of unconditioned reflexes; 2. appearance of
"asthenic" CR and restoration of tonic unconditioned
reflexes; 2. restoration of CR until norm was reached.
Motor food reflexes of the animals serving the paw and
raising themselves upon their posterior extremities were
completely restored in 10-12 days after the operation. --
V.I. Chumak.

Card 2/2

USSR/Human and Animal Physiology (Normal and Pathological). T-12
Nervous System. Higher Nervous Activity. Behavior.

Abs Jour : Ref Zhur - Biol., No 11, 1958, 51297

Author : Daklavadzhyan, O.G.

Inst : Academy of Sciences Armenian SSR, Section of Biology and
Agricultural Sciences.

Title : The Problem of Conditioned Reflex Transference.

Orig Pub : Izv. AN ArmSSR. Biol. i s.-kh. n., 1957, 10, No 7, 77-86.

Abstract : A system of 4 electro-defensive conditioned reflexes (CR)
was developed and fixed in 5 dogs. Changing electrode
and recording apparatus cuffs from the right to the left
paw, did not cause "instantaneous" CR transference. At
first, inadequate and bi-effective reactions were observed;
not before a number of combinations was carried out, trans-
ference appeared, which the author characterizes as

Card 1/2

USSR/ Human and Animal Physiology (Normal and Pathological).
Nervous System. Higher Nervous Activity. Behavior.

T-12

Abs Jour : Ref Zhur - Biol., No 11, 1958, 51297

"conditioned reflex" transference (according to . . .
E.A. Asratyan). After repeated transferences, the dogs
displayed symptoms of a neurotic state. The difficulties
of transference may be apparently explained by firm fixa-
tion of the system, its structural complexity, as well as
by individual characteristics of the dogs. After the
area of the inner capsule of one hemisphere was impaired,
transference restoration occurred earlier than complete
restoration of tonic CR. -- M.I. Lisina.

Card 2/2

- 106 -

BAKLAVADZHYAN, O.G.; OGANESEYAN, A.A.

Electrospinogram of a dog. Inv. AN Arm. SSR, Biol. i sel'khoz. nauki
11 no.2:3-17 F '58. (MIRA 11:3)

1. Institut fiziologii AN ArmSSR.
(SPINAL CORD) (REFLEXES) (ELECTROPHYSIOLOGY)

BAKLAVADZHYAN, O.G.

Method for implanting electrodes into the spinal cord of a dog.
Fiziol. zhur. 47 no.12:1502-1505 D '61. (MIRA 15:1)

1. From the L.A.Orbeli Institute of Physiology, Erevan.
(SPINAL CORD) (ELECTROPHYSIOLOGY)

BAKLAVADZHYAN, O.G.

Comparative electrophysiological analysis of the cholinergic structure of the cortical synapses. Dokl. AN Arm. SSR 35 no.4:185-192 '62.

(MIRA 17:1)

1. Institut fiziologii imeni akademika L.A.Orbeli An Armyanskoy SSR.
Predstavleno chlenom-korrespondentom AN Armyanskoy SSR A.M.Aleksanyan.

ALEKSANYAN, A.M., BAKLADZHYAN, O.O., ORIOORYAN, Y.E., AIRAPETIAN, A.A.
URIANDZHYAN, T.O., SAIKYAN, S.A.

"About the significance of the sympathetic nervous system and reticular
formation in the functions of the high divisions of the central nervous
system."

Report submitted, but not presented at the 22nd International
Congress of Physiological Sciences.
Leiden, the Netherlands 10-17 Sep 1962

BAKLAVADZHYAN, O.G.

Representation of visceral afferent system in the zone of
the internal capsule. Dokl. AN Arm. SSR 36 no.4:243-247
'63. (MIRA 16:11)

1. Institut fiziologii imeni akademika L.A. Orbeli AN
Armenyanskoj SSR. Predstavleno akademikom AN Armenyanskoj SSR
S.K. Karapetyanom.

BAKLAVADZHIYAN, O.G.

Present concepts concerning cholinergic mechanisms of the activity of some sections of the central nervous system according to data of electrophysiological investigations. Zhur. eksp. i klin. med. 4 no.1: 9-23 '64. (MIRA 17:9)

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